

SEQUENCE LISTING

<110> BRINGE, NEAL A.
KARUNANANDAA, KANTHASAMY

<120> OIL BODY ASSOCIATED PROTEIN COMPOSITIONS AND METHODS
OF USE THEREOF FOR REDUCING THE RISK OF CARDIOVASCULAR DISEASE

<130> MONS:017US

<140> UNKNOWN
<141> 2004-10-18

<150> PCT/US03/12009
<151> 2003-04-17

<150> 60/373,460
<151> 2002-04-18

<160> 18

<170> PatentIn Ver. 2.1

<210> 1
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1
Val Phe Asp Gly Glu Leu Gln Glu Gly Arg Val Leu Ile Val Pro Gln
1 5 10 15

Asn Phe Val Val Ala Ala Arg Ser Gln Ser Asp Asn Phe Glu Tyr Val
20 25 30

Ser Phe Lys
35

<210> 2
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 2
Leu Arg Met Ile Thr Leu Ala Ile Pro Val Asn Lys Pro Gly Arg Phe
1 5 10 15

Glu Ser Phe Phe Leu

<210> 3
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 3
Ile Phe Val Ile Pro Ala Gly Tyr Pro Val Val Val Asn Ala Thr Ser
1 5 10 15

His Leu Asn Phe Phe Ala Ile Gly Ile
20 25

<210> 4
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 4
Leu Gln Glu Ser Val Ile Val Glu Ile Ser Lys Lys
1 5 10

<210> 5
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 5
Gln Gln Gln Glu Glu Gln Pro Leu Glu Val Arg Lys
1 5 10

<210> 6
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 6
Asn Gln Tyr Gly His Val Arg
1 5

<210> 7
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 7
Ala Ile Val Ile Leu Val Ile Asn Glu Gly Asp Ala Asn Ile Glu Leu
1 5 10 15
Val Gly Leu

<210> 8
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 8
Asn Ile Leu Glu Ala Ser Tyr Asp Thr Lys Phe Glu Glu Ile Asn Lys
1 5 10 15

<210> 9
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 9
Val Lys Phe Ile Thr Ala Ala Thr Ile Gly Ile Thr Leu Leu Leu
1 5 10 15

<210> 10
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 10

Tyr Glu Thr Asn Ser Ser Leu Asn Asn Pro Pro Ser Arg
1 5 10

<210> 11

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 11

Ile Phe Val Ile Pro Ala Gly Tyr Pro Val Val Val Asn Ala Thr Ser
1 5 10 15

Asp Leu Asn Phe Phe Ala Phe Gly Ile

20 25

<210> 12

<211> 226

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 12

Met Thr Thr Gln Val Pro Pro His Ser Val Gln Val His Thr Thr Thr
1 5 10 15

Thr His Arg Tyr Glu Ala Gly Val Val Pro Pro Gly Ala Arg Phe Glu
20 25 30

Thr Ser Tyr Glu Ala Gly Val Lys Ala Ala Ser Ile Tyr His Ser Glu
35 40 45

Arg Gly Pro Thr Thr Ser Gln Val Leu Ala Val Leu Ala Gly Leu Pro
50 55 60

Val Gly Gly Ile Leu Leu Leu Ala Gly Leu Thr Leu Ala Gly Thr
65 70 75 80

Leu Thr Gly Leu Ala Val Ala Thr Pro Leu Phe Val Leu Phe Ser Pro
85 90 95

Val Leu Val Pro Ala Thr Val Ala Ile Gly Leu Ala Val Ala Gly Phe
100 105 110

Leu Thr Ser Gly Ala Phe Gly Leu Thr Ala Leu Ser Ser Phe Ser Trp
115 120 125

Ile Leu Asn Tyr Ile Arg Glu Thr Gln Pro Ala Ser Glu Asn Leu Ala
130 135 140

Ala Ala Ala Lys His His Leu Ala Glu Ala Ala Glu Tyr Val Gly Gln
145 150 155 160

Lys Thr Lys Glu Val Gly Gln Lys Thr Lys Glu Val Gly Gln Asp Ile
165 170 175

Gln Ser Lys Ala Gln Asp Thr Arg Glu Ala Ala Ala Arg Asp Ala Arg
180 185 190

Glu Ala Ala Ala Arg Asp Ala Arg Glu Ala Ala Ala Arg Asp Ala Lys
195 200 205

Val Glu Ala Arg Asp Val Lys Arg Thr Thr Val Thr Ala Thr Thr Ala
210 215 220

Thr Ala
225

<210> 13

<211> 223

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 13

Met Thr Thr Val Pro Pro His Ser Val Gln Val His Thr Thr Thr His
1 5 10 15

Arg Tyr Glu Ala Gly Val Val Pro Pro Ala Arg Phe Glu Ala Pro Arg
20 25 30

Tyr Glu Ala Gly Ile Lys Ala Pro Ser Ser Ile Tyr His Ser Glu Arg
35 40 45

Gly Pro Thr Thr Ser Gln Val Leu Ala Val Val Ala Gly Leu Pro Val
50 55 60

Gly Gly Ile Leu Leu Leu Ala Gly Leu Thr Leu Ala Gly Thr Leu
65 70 75 80

Thr Gly Leu Val Val Ala Thr Pro Leu Phe Ile Ile Phe Ser Pro Val
85 90 95

Leu Ile Pro Ala Thr Val Ala Ile Gly Leu Ala Val Ala Gly Phe Leu
100 105 110

Thr Ser Gly Val Phe Gly Leu Thr Ala Leu Ser Ser Phe Ser Trp Ile
115 120 125

Leu Asn Tyr Ile Arg Glu Thr Gln Pro Ala Ser Glu Asn Leu Ala Ala
130 135 140

Ala Ala Lys His His Leu Ala Glu Ala Ala Glu Tyr Val Gly Gln Lys
145 150 155 160

Thr Lys Glu Val Gly Gln Lys Thr Lys Glu Val Gly Gln Asp Ile Gln
165 170 175

Ser Lys Ala Gln Asp Thr Arg Glu Ala Ala Ala Arg Asp Ala Arg Asp
180 185 190

Ala Arg Glu Ala Ala Ala Arg Asp Ala Arg Asp Ala Lys Val Glu Ala
195 200 205

Arg Asp Val Lys Arg Thr Thr Val Thr Ala Thr Thr Ala Thr Ala
210 215 220

<210> 14

<211> 175

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 14

Met Ala Asp Arg Asp Arg Ser Gly Ile Tyr Gly Gly Gly Ala Tyr Gly
1 5 10 15

Gln Gln Gln Gly Arg Pro Pro Met Gly Glu Gln Val Lys Gly Met Ile
20 25 30

His Asp Lys Gly Pro Thr Ala Ser Gln Ala Leu Thr Val Ala Thr Leu
35 40 45

Phe Pro Leu Gly Gly Leu Leu Leu Val Leu Ser Gly Leu Ala Leu Ala
50 55 60

Ala Ser Thr Val Gly Leu Ala Val Ala Thr Pro Val Phe Leu Leu Phe
65 70 75 80

Ser Pro Val Leu Val Pro Ala Ala Leu Leu Ile Gly Thr Ala Val Ala
85 90 95

Gly Phe Leu Thr Ser Gly Ala Leu Gly Leu Gly Gly Leu Ser Ser Leu
100 105 110

Thr Cys Leu Ala Asn Thr Ala Arg Gln Ala Phe Gln Arg Thr Pro Asp
115 120 125

Tyr Val Glu Glu Ala Arg Arg Met Ala Glu Ala Ala Ala His Ala
130 135 140

Gly His Lys Thr Ala Gln Ala Gly His Gly Ile Gln Ser Lys Ala Gln

145

150

155

160

Glu Ala Gly Ala Gly Thr Gly Ala Gly Gly Gly Arg Thr Ser Ser
165 170 175

<210> 15

<211> 156

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 15

Met Ala Asp His His Arg Gly Ala Thr Gly Gly Gly Gly Tyr Gly
1 5 10 15

Asp Leu Gln Arg Gly Gly Met His Gly Glu Ala Gln Gln Gln
20 25 30

Lys Gln Gly Ala Met Met Thr Ala Leu Lys Ala Ala Thr Ala Ala Thr
35 40 45

Phe Gly Gly Ser Met Leu Val Leu Ser Gly Leu Ile Leu Ala Gly Thr
50 55 60

Val Ile Ala Leu Thr Val Ala Thr Pro Val Leu Val Ile Phe Ser Pro
65 70 75 80

Val Leu Val Pro Ala Ala Ile Ala Leu Ala Leu Met Ala Ala Gly Phe
85 90 95

Val Thr Ser Gly Gly Leu Gly Val Ala Ala Leu Ser Val Phe Ser Trp
100 105 110

Met Tyr Lys Tyr Leu Thr Gly Lys His Pro Pro Ala Ala Asp Gln Leu
115 120 125

Asp His Ala Lys Ala Arg Leu Ala Ser Lys Ala Arg Asp Val Lys Asp
130 135 140

Ala Ala Gln His Arg Ile Asp Gln Ala Gln Gly Ser
145 150 155

<210> 16

<211> 187

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 16

Met Ala Asp Arg Asp Arg Ser Gly Ile Tyr Gly Gly Ala His Ala Thr
1 5 10 15

Tyr Gly Gln Gln Gln Gln Gly Gly Gly Arg Pro Met Gly Glu
20 25 30

Gln Val Lys Lys Gly Met Leu His Asp Lys Gly Pro Thr Ala Ser Gln
35 40 45

Ala Leu Thr Val Ala Thr Leu Phe Pro Leu Gly Gly Leu Leu Leu Val
50 55 60

Leu Ser Gly Leu Ala Leu Thr Ala Ser Val Val Gly Leu Ala Val Ala
65 70 75 80

Thr Pro Val Phe Leu Ile Phe Ser Pro Val Leu Val Pro Ala Ala Leu
85 90 95

Leu Ile Gly Thr Ala Val Met Gly Phe Leu Thr Ser Gly Ala Leu Gly
100 105 110

Leu Gly Gly Leu Ser Ser Leu Thr Cys Leu Ala Asn Thr Ala Arg Gln
115 120 125

Ala Phe Gln Arg Thr Pro Asp Tyr Val Glu Glu Ala Arg Arg Arg Met
130 135 140

Ala Glu Ala Ala Ala Gln Ala Gly His Lys Thr Ala Gln Ala Gly Gln
145 150 155 160

Ala Ile Gln Gly Arg Ala Gln Glu Ala Gly Thr Gly Gly Ala Gly
165 170 175

Ala Gly Ala Gly Gly Gly Arg Ala Ser Ser
180 185

<210> 17
<211> 183
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 17
Met Ala Thr Thr Thr Tyr Asp Arg His His Val Thr Thr Thr Gln Pro
1 5 10 15

Gln Tyr Arg His Asp Gln His Thr Gly Asp Arg Leu Thr His Pro Gln
20 25 30

Arg His Glu Gln Gly Pro Ser Thr Gly Lys Ile Met Val Ile Met Ala
35 40 45

Leu Leu Pro Ile Thr Gly Ile Leu Phe Gly Leu Ala Gly Ile Thr Ser

50

55

60

Ser Asp Gly Tyr Arg Ala Ser Leu Ala Thr Pro Leu Phe Val Ile Phe
65 70 75 80

Ser Pro Val Ile Val Pro Ala Met Ile Ala Ile Gly Leu Ala Val Thr
85 90 95

Gly Phe Leu Thr Ser Gly Thr Phe Gly Leu Thr Gly Leu Ser Ser Leu
100 105 110

Ser Tyr Leu Phe Asn Met Val Arg Arg Ser Thr Met Ser Val Pro Asp
115 120 125

Gln Met Asp Tyr Val Lys Gly Lys Leu Gln Asp Val Gly Glu Tyr Thr
130 135 140

Gly Gln Lys Thr Lys Asp Leu Gly Gln Lys Ile Gln His Thr Ala His
145 150 155 160

Glu Met Gly Asp Gln Gly Gln Gly Gln Gly Gly Lys Glu
165 170 175

Gly Arg Lys Glu Gly Gly Lys
180

<210> 18

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 18

Gln Asn Pro Ser His Asn Lys Cys Leu Arg
1 5 10